



PT#5 OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/903,806

DATE: 01/16/2002

TIME: 15:57:37

Input Set : N:\Crf3\RULE60\09903806.raw

Output Set: N:\CRF3\01162002\I903806.raw

RECEIVED  
FEB 21 2002  
TECH CENTER 1600/2900

ENTERED

1 <110> APPLICANT: Genentech, Inc.  
2 Ashkenazi, Avi  
3 Botstein, David  
4 Desnoyers, Luc  
5 Eaton, Dan L.  
6 Ferrara, Napoleone  
7 Filvaroff, Ellen  
8 Fong, Sherman  
9 Gao, Wei-Qiang  
10 Gerber, Hanspeter  
11 Gerritsen, Mary E.  
12 Goddard, A.  
13 Godowski, Paul J.  
14 Grimaldi, Christopher J.  
15 Gurney, Austin L.  
16 Hillan, Kenneth, J.  
17 Kljavin, Ivar J.  
18 Mather, Jennie P.  
19 Pan, James  
20 Paoni, Nicholas F.  
21 Roy, Margaret Ann  
22 Stewart, Timothy A.  
23 Tumas, Daniel  
24 Williams, P. Mickey  
25 Wood, William, I.  
26 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
27 Acids Encoding the Same  
28 <130> FILE REFERENCE: 10466-14  
29 <140> CURRENT APPLICATION NUMBER: US/09/903,806  
C--> 30 <141> CURRENT FILING DATE: 2001-07-11  
31 <150> PRIOR APPLICATION NUMBER: 09/665,350  
32 <151> PRIOR FILING DATE: 2000-09-18  
33 <160> NUMBER OF SEQ ID NOS: 423  
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35 <211> LENGTH: 1825  
36 <212> TYPE: DNA  
37 <213> ORGANISM: Homo Sapien  
38 <400> SEQUENCE: 1  
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41 cctcgacctc gacccacgcg tccgggcccg agcagcacgg ccgcaggacc 100  
42 tggagctccg gctgcgtctt cccgcagcgc taccgcccat gcgcctgccg 150  
43 cgccgggccc cgtgggggct cctgccgctt ctgctgctgc tgccgcccgc 200  
44 gccggaggcc gccaaagaagc cgacgccttg ccaccgggtgc cgggggctgg 250

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47   tggacaagtt taaccagggg atggtggaca cgcgaaagaa gaactttggc 300
48   ggcgggaaca cggcttggga ggaaaagacg ctgtccaagt acgagtccag 350
49   cgagattcgc ctgctggaga tcctggaggg gctgtgcgag agcagcgact 400
50   tcgaatgcaa tcagatgcta gaggcgcagg aggagcacct ggaggcctgg 450
51   tggctgcagc tgaagagcga atatcctgac ttattcgagt ggttttgtgt 500
52   gaagacactg aaagtgtgct gctctccagg aacctacggt cccgactgtc 550
53   tcgcatgcca gggcggatcc cagaggccct gcagcgggaa tggccactgc 600
54   agcggagatg ggagcagaca gggcgacggg tcctgccggg gccacatggg 650
55   gtaccagggc ccgctgtgca ctgactgcat ggacggctac ttcagctcgc 700
56   tccggaacga gacccacagc atctgcacag cctgtgacga gtccctgcaag 750
57   acgtgctcgg gcctgaccaa cagagactgc ggcgagtgtg aagtgggctg 800
58   ggtgctggac gagggcgccg gtgtggatgt ggacgagtgt gcggccgagc 850
59   cgctccctga cagcgtcgcg cagttctgta agaacgcaa cggtccctac 900
60   acgtgcgaag agtgtgactc cagctgtgtg ggctgcacag gggaaaggccc 950
61   aggaaactgt aaagagtgtg tctctggcta cgcgaggagg cacggacagt 1000
62   gtgcagatgt ggacgagtgc tcactagcag aaaaaacctg tgtgaggaaa 1050
63   aacgaaaact gctacaatac tccagggagc tacgtctgtg tgtgtcctga 1100
64   cggcttcgaa gaaacggaag atgcctgtgt gccgccggca gaggctgaag 1150
65   ccacagaagg agaaagcccg acacagctgc cctcccgcga agacctgtaa 1200
66   tgtgcgggac ttacccttta aattattcag aaggatgtcc cgtggaaaaat 1250
67   gtggccctga ggaatgcctc tcctgcagtg gacagcggcg gggagaggct 1300
68   gcctgctctc taacggttga ttctcatttg tcccttaaac agctgcattt 1350
69   cttggttgtt cttaaacaga cttgtatatt ttgatacagt tctttgtaat 1400
70   aaaattgacc attgtaggtg atcaggagga aaaaaaaaaa aaaaaaaaaa 1450
71   aaagggcggc cgcgactcta gagtcgacct gcagaagctt ggccgccatg 1500
72   gcccaacttg tttattgcag cttataatgg ttacaaataa agcaatagca 1550
73   tcacaaatth cacaataaaa gcattttttt cactgcattc tagttgtggg 1600
74   ttgtccaaac tcatcaatgt atcttatcat gtctggatcg ggaattaatt 1650
75   cggcgagcga ccatggcctg aaataacctc tgaaagagga acttggttag 1700
76   gtaccttctg aggcggaaag aaccagctgt ggaatgtgtg tcagttaggg 1750
77   tgtggaaagt cccagggctc cccagcaggc agaagtatgc aagcatgcat 1800
78   ctcaattagt cagcaaccga gtttt 1825

```

80 &lt;210&gt; SEQ ID NO: 2

81 &lt;211&gt; LENGTH: 353

82 &lt;212&gt; TYPE: PRT

83 &lt;213&gt; ORGANISM: Homo Sapien

84 &lt;400&gt; SEQUENCE: 2

```

85   Met Arg Leu Pro Arg Arg Ala Ala Leu Gly Leu Leu Pro Leu Leu
86       1             5             10             15
87   Leu Leu Leu Pro Pro Ala Pro Glu Ala Ala Lys Lys Pro Thr Pro
88               20             25             30
89   Cys His Arg Cys Arg Gly Leu Val Asp Lys Phe Asn Gln Gly Met
90               35             40             45
91   Val Asp Thr Ala Lys Lys Asn Phe Gly Gly Asn Thr Ala Trp
92               50             55             60
93   Glu Glu Lys Thr Leu Ser Lys Tyr Glu Ser Ser Glu Ile Arg Leu
94               65             70             75
95   Leu Glu Ile Leu Glu Gly Leu Cys Glu Ser Ser Asp Phe Glu Cys
96               80             85             90

```

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```

97      Asn Gln Met Leu Glu Ala Gln Glu Glu His Leu Glu Ala Trp Trp
98                      95                      100                      105
99      Leu Gln Leu Lys Ser Glu Tyr Pro Asp Leu Phe Glu Trp Phe Cys
100                      110                      115                      120
101      Val Lys Thr Leu Lys Val Cys Cys Ser Pro Gly Thr Tyr Gly Pro
102                      125                      130                      135
103      Asp Cys Leu Ala Cys Gln Gly Gly Ser Gln Arg Pro Cys Ser Gly
104                      140                      145                      150
105      Asn Gly His Cys Ser Gly Asp Gly Ser Arg Gln Gly Asp Gly Ser
106                      155                      160                      165
107      Cys Arg Cys His Met Gly Tyr Gln Gly Pro Leu Cys Thr Asp Cys
108                      170                      175                      180
109      Met Asp Gly Tyr Phe Ser Ser Leu Arg Asn Glu Thr His Ser Ile
110                      185                      190                      195
111      Cys Thr Ala Cys Asp Glu Ser Cys Lys Thr Cys Ser Gly Leu Thr
112                      200                      205                      210
113      Asn Arg Asp Cys Gly Glu Cys Glu Val Gly Trp Val Leu Asp Glu
114                      215                      220                      225
115      Gly Ala Cys Val Asp Val Asp Glu Cys Ala Ala Glu Pro Pro Pro
116                      230                      235                      240
117      Cys Ser Ala Ala Gln Phe Cys Lys Asn Ala Asn Gly Ser Tyr Thr
118                      245                      250                      255
119      Cys Glu Glu Cys Asp Ser Ser Cys Val Gly Cys Thr Gly Glu Gly
120                      260                      265                      270
121      Pro Gly Asn Cys Lys Glu Cys Ile Ser Gly Tyr Ala Arg Glu His
122                      275                      280                      285
123      Gly Gln Cys Ala Asp Val Asp Glu Cys Ser Leu Ala Glu Lys Thr
124                      290                      295                      300
125      Cys Val Arg Lys Asn Glu Asn Cys Tyr Asn Thr Pro Gly Ser Tyr
126                      305                      310                      315
127      Val Cys Val Cys Pro Asp Gly Phe Glu Glu Thr Glu Asp Ala Cys
128                      320                      325                      330
129      Val Pro Pro Ala Glu Ala Glu Ala Thr Glu Gly Glu Ser Pro Thr
130                      335                      340                      345
131      Gln Leu Pro Ser Arg Glu Asp Leu
132                      350

```

134 &lt;210&gt; SEQ ID NO: 3

135 &lt;211&gt; LENGTH: 2206

136 &lt;212&gt; TYPE: DNA

137 &lt;213&gt; ORGANISM: Homo Sapien

138 &lt;400&gt; SEQUENCE: 3

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139      caggtccaac tgcacctcgg ttctatcgat tgaattcccc ggggatacctc 50
140      tagagatccc tcgacctcga cccacgcgtc cgccaggccg ggaggcgacg 100
141      cgcccagccg tctaaacggg aacagccctg gctgagggag ctgcagcgca 150
142      gcagagtatc tgacggcgcc aggttgcgta ggtgcggcac gaggagtttt 200
143      cccggcagcg aggaggtcct gagcagcatg gcccgaggga ggccttccc 250
144      tgccgcccgc ctctggctct ggagcatcct cctgtgcctg ctggcactgc 300
145      gggcgaggcg cgggcccgcg caggaggaga gcctgtacct atggatcgat 350
146      gctcaccagg caagagtact cataggattt gaagaagata tcctgattgt 400

```

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Input Set : N:\Crf3\RULE60\09903806.raw

Output Set : N:\CRF3\01162002\I903806.raw

```

147   ttcagagggg aaaatggcac cttttacaca tgatttcaga aaagcgcaac 450
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149   caagctgcag ggcaggcaga atacttctat gaattcctgt ccttgcgctc 550
150   cctggataaa ggcacatcag cagatccaac cgtcaatgac cctctgctgg 600
151   gaacagtgcg tcacaaggca tcagttgttc aagttggttt cccatgtctt 650
152   ggaaaacagg atgggtggc agcatttgaa gtggatgtga ttgttatgaa 700
153   ttctgaaggc aacaccattc tccaaacacc tcaaaatgct atcttcttta 750
154   aaacatgtca acaagctgag tgcccaggcg ggtgccgaaa tggaggcttt 800
155   tgtaatgaaa gacgcatctg cgagtgtcct gatgggttcc acggacctca 850
156   ctgtgagaaa gccctttgta cccacgatg tatgaatggt ggactttgtg 900
157   tgactcctgg tttctgcac tgcccacctg gattctatgg agtgaactgt 950
158   gacaaagcaa actgctcaac cacctgcttt aatggaggga cctgtttcta 1000
159   ccctggaaaa tgtatttgcc ctccaggact agaggagag cagtgtgaaa 1050
160   tcagcaaatg cccacaacc tcgcgaaatg gaggtaaatg cattggtaaa 1100
161   agcaaagtga agtgttccaa aggttaccag ggagacctct gttcaaagcc 1150
162   tgtctgcgag cctggctgtg gtgcacatgg aacctgccat gaaccaaca 1200
163   aatgccaatg tcaagaagg tggcatggaa gacactgcaa taaaaggtac 1250
164   gaagccagcc tcatacatgc cctgaggcca gcaggcgccc agctcaggca 1300
165   gcacacgcct tcaactaaaa aggccgagga gcggcgggat ccacctgaat 1350
166   ccaattacat ctggtgaact ccgacatctg aaacgtttta agttacacca 1400
167   agttcatagc cttgtttaac ctttcatgtg ttgaatgttc aaataatgtt 1450
168   cattacactt aagaatactg gcctgaattt tattagcttc attataaatc 1500
169   actgagctga tatttactct tccttttaag ttttctaagt acgtctgtag 1550
170   catgatggta tagattttct tgtttcagtg ctttgggaca gattttatat 1600
171   tatgtcaatt gatcaggta aaattttcag tgtgtagttg gcagatattt 1650
172   tcaaaattac aatgcattta tgggtgtctg gggcagggga acatcagaaa 1700
173   gggttaaattg ggcaaaaatg cgtaagtcac aagaatttg atggtgcagt 1750
174   taatgttgaa gttacagcat ttcagatttt attgtcagat atttagatgt 1800
175   ttgttacatt tttaaaaatt gctcttaatt tttaaactct caatacaata 1850
176   tattttgacc ttaccattat tccagagatt cagtattaaa aaaaaaaaaa 1900
177   ttacactgtg gtagtggcat ttaacaata taatatattc taaacacaat 1950
178   gaaatagga atataatgta tgaacttttt gcattggctt gaagcaatat 2000
179   aatatattgt aaacaaaaca cagctcttac ctaataaaca ttttatactg 2050
180   tttgtatgta taaaataaag gtgctgcttt agttttttgg aaaaaaaaaa 2100
181   aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgccgc gactctagag 2150
182   tcgacctgca gaagcttggc cgccatggcc caacttgttt attgcagctt 2200
183   ataatg 2206

```

185 &lt;210&gt; SEQ ID NO: 4

186 &lt;211&gt; LENGTH: 379

187 &lt;212&gt; TYPE: PRT

188 &lt;213&gt; ORGANISM: Homo Sapien

189 &lt;400&gt; SEQUENCE: 4

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190   Met Ala Arg Arg Ser Ala Phe Pro Ala Ala Ala Leu Trp Leu Trp
191       1           5           10           15
192   Ser Ile Leu Leu Cys Leu Leu Ala Leu Arg Ala Glu Ala Gly Pro
193               20           25           30
194   Pro Gln Glu Glu Ser Leu Tyr Leu Trp Ile Asp Ala His Gln Ala
195               35           40           45
196   Arg Val Leu Ile Gly Phe Glu Glu Asp Ile Leu Ile Val Ser Glu

```

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197		50		55		60
198	Gly Lys Met Ala Pro Phe Thr His Asp Phe Arg Lys Ala Gln Gln					
199		65		70		75
200	Arg Met Pro Ala Ile Pro Val Asn Ile His Ser Met Asn Phe Thr					
201		80		85		90
202	Trp Gln Ala Ala Gly Gln Ala Glu Tyr Phe Tyr Glu Phe Leu Ser					
203		95		100		105
204	Leu Arg Ser Leu Asp Lys Gly Ile Met Ala Asp Pro Thr Val Asn					
205		110		115		120
206	Val Pro Leu Leu Gly Thr Val Pro His Lys Ala Ser Val Val Gln					
207		125		130		135
208	Val Gly Phe Pro Cys Leu Gly Lys Gln Asp Gly Val Ala Ala Phe					
209		140		145		150
210	Glu Val Asp Val Ile Val Met Asn Ser Glu Gly Asn Thr Ile Leu					
211		155		160		165
212	Gln Thr Pro Gln Asn Ala Ile Phe Phe Lys Thr Cys Gln Gln Ala					
213		170		175		180
214	Glu Cys Pro Gly Gly Cys Arg Asn Gly Gly Phe Cys Asn Glu Arg					
215		185		190		195
216	Arg Ile Cys Glu Cys Pro Asp Gly Phe His Gly Pro His Cys Glu					
217		200		205		210
218	Lys Ala Leu Cys Thr Pro Arg Cys Met Asn Gly Gly Leu Cys Val					
219		215		220		225
220	Thr Pro Gly Phe Cys Ile Cys Pro Pro Gly Phe Tyr Gly Val Asn					
221		230		235		240
222	Cys Asp Lys Ala Asn Cys Ser Thr Thr Cys Phe Asn Gly Gly Thr					
223		245		250		255
224	Cys Phe Tyr Pro Gly Lys Cys Ile Cys Pro Pro Gly Leu Glu Gly					
225		260		265		270
226	Glu Gln Cys Glu Ile Ser Lys Cys Pro Gln Pro Cys Arg Asn Gly					
227		275		280		285
228	Gly Lys Cys Ile Gly Lys Ser Lys Cys Lys Cys Ser Lys Gly Tyr					
229		290		295		300
230	Gln Gly Asp Leu Cys Ser Lys Pro Val Cys Glu Pro Gly Cys Gly					
231		305		310		315
232	Ala His Gly Thr Cys His Glu Pro Asn Lys Cys Gln Cys Gln Glu					
233		320		325		330
234	Gly Trp His Gly Arg His Cys Asn Lys Arg Tyr Glu Ala Ser Leu					
235		335		340		345
236	Ile His Ala Leu Arg Pro Ala Gly Ala Gln Leu Arg Gln His Thr					
237		350		355		360
238	Pro Ser Leu Lys Lys Ala Glu Glu Arg Arg Asp Pro Pro Glu Ser					
239		365		370		375
240	Asn Tyr Ile Trp					
242	<210> SEQ ID NO: 5					
243	<211> LENGTH: 45					
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245	<213> ORGANISM: Artificial Sequence					
246	<220> FEATURE:					

## VERIFICATION SUMMARY

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DATE: 01/16/2002

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Input Set : N:\Crf3\RULE60\09903806.raw

Output Set: N:\CRF3\01162002\I903806.raw

L:30 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:383 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:384 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:385 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:386 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13

L:599 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26

L:1361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:50

L:2930 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:113

L:3309 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:131

L:4388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:174

L:4498 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:175

L:5373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:206

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